## PATENT ABSTRACTS OF JAPAN

(11)Publication number : **02-035848** 

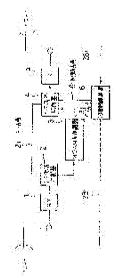
(43) Date of publication of application: **06.02.1990** 

(51)Int.Cl. H04L 27/34

(21)Application number: **63-186241** (71)Applicant: **NEC CORP** 

(22) Date of filing: 25.07.1988 (72) Inventor: TSUKUNI MITSUTAKA

## (54) MODULATING METHOD SWITCHING TRANSMISSION SYSTEM



## (57)Abstract:

PURPOSE: To simplify the constitution of a reproduction repeater station and reduce the costs of the repeater stations by executing repeating to transmit the radio wave at a received intermediate frequency band as it is when the radio transmission is executed in a 4PSK system. CONSTITUTION: An IF signal distributer 2 distributes IF signals 21 received by a receiving device 1 to an MQAM modulator-demodulator 3 and an IF signal switching device 4. A switching controller 6 receives a control signal 281 sent from a reception terminal 30, when the control signal 281 is indicated to select the MQAM system, the IF signal switching device 4 makes an IF signal 31 outputted to transmission equipment 5 by a control signal 6. When the control signal 281 is indicated to select the 4PSK system, the IF signal switch 4 makes an IF signal 21 outputted to the transmission equipment 5. Thus, by

providing the inexpensive IF distributer and the IF switch without providing the 4PSK system modulator-demodulator as the reproduction repeater station, the costs of the repeater station and the system can be reduced.